REMARKS

Claims 1-5 are pending in the application. In the final Office Action dated December 2, 2008, the Examiner made the following disposition:

- A.) Rejected claims 1, 2, and 5 under 35 U.S.C. §103(a) as being unpatentable over Bruner in view of Chatzandroulis in further view of Wolf.
- B.) Rejected claims 3 and 4 under 35 U.S.C. §103(a) as being unpatentable over Bruner in view of Lin or Schmid.

Applicant respectfully traverses the rejections and addresses the Examiner's disposition below.

A.) Rejection of claims 1, 2, and 5 under 35 U.S.C. §103(a) as being unpatentable over Bruner in view Chatzandroulis in further view of Wolf:

Applicant respectfully disagrees with the rejection.

Independent claim 1 now recites a method for manufacturing a micromachine including the step of performing a film-formation treatment by sputtering at a reduced pressure following the sacrifice-layer etching so as to form a sputtering layer that seals the penetrating hole and is formed in to a wiring layer.

Nowhere does *Bruner* disclose anything pertaining to performing a film-formation treatment by sputtering at a reduced pressure following the etching of a sacrifice-layer so as to form a sputtering layer that seals a penetrating hole and is formed in to a wiring layer. Instead, *Bruner* merely discloses sealing trenches in a substrate only and does not disclose forming a wiring layer. See, U.S. Pat. Pub 2005/0221528, Para. [0046].

Chatzandroulis discloses depositing a metal contact into a cavity which is then used as a wiring layer. See, U.S. Pat. No. 6,704,185, Col. 8, l. 1-15. Nowhere does Chatzandroulis disclose anything pertaining to performing a film-formation treatment by sputtering at a reduced pressure following the etching of a sacrifice-layer so as to form a sputtering layer that scals a penetrating hole and is formed in to a wiring layer.

Wolf is directed to the use of aluminum in VLSI and does not disclose anything pertaining to a micromachine, much less performing a film-formation treatment on a micromachine.

As Applicant's specification discloses, by performing a film-formation treatment by sputtering at a reduced pressure following the etching of a sacrifice-layer so as to form a sputtering layer that seals a penetrating hole and is formed in to a wiring layer, the micromachine

can be sealed without the application of an insulating layer. See, Specification, Page 15, 1. 5-15. Further, since the sealing and forming of wires is performed in the same step, the efficiency of the manufacturing process is improved. See, Specification, Page 15, 1. 16-24.

Therefore, because *Bruner, Chatzandroulis*, and *Wolf* or any combination of them fails to disclose or even fairly suggest each element of claim 1, the rejection of claim 1 cannot stand. Because claims 2 and 5 depend, either directly or indirectly from claim 1, they are allowable for at least the same reasons.

B.) Rejection of claims 3 and 4 under 35 U.S.C. §103(a) as being unpatentable over Bruner in view of Lin or Schmid:

Applicant respectfully disagrees with the rejection.

Claim 1 is allow able over *Bruner* as discussed above. *Lin* and *Schmid* each fails to teach or suggest forming a film-formation treatment at a reduced pressure following a sacrifice-layer etching so as to form a wiring layer that seals a penetrating hole. Therefore, *Bruner* in view of *Lin* or *Schimd* still fails to disclose or suggest claim 1.

Claims 3 and 4 depend directly or indirectly from claim 1 and are therefore allowable for at least the same reasons that claim 1 is allowable.

Applicant respectfully submits the rejection has been overcome and requests that it be withdrawn

CONCLUSION

In view of the foregoing, it is submitted that claims 1-5 are patentable. It is therefore submitted that the application is in condition for allowance. Notice to that effect is respectfully requested.

Respectfully submitted,

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